

IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~striketrough~~.

Please REPLACE paragraph **[0029]** as follows:

[0029] FIG. 1 is a diagram showing a configuration example of a system according to the present invention.

FIG. 2 is a diagram showing the example of arrangement of business systems.

FIGS. 3 and 4 are exemplary input screen of definition data stored in a business process DB.

FIGS. 5A, 5B, 6A and 6B show the data configuration of definition data stored in a business process DB.

FIGS. 7A, 7B, 8A and 8B show exemplary event extraction definition screens.

FIG. 9 shows an exemplary event extraction definition.

FIG. 10 is a diagram showing a configurational example according to an event extraction definition.

FIGS. 11A and 11B show exemplary event data.

FIG. 12 shows the result of relation of business data.

FIG. 13 shows an example of an SVG file for a flow expression.

FIG. 14 shows the outline of the processing flow in an event management apparatus.

FIG. 15 shows the relative processing flow of business data.

FIGS. 16A, 16B, and 16C show event data, an order placement slip and an order intake slip.

FIG. 17 is a schematic diagram for explaining the relative processing of business data.

FIG. 18 shows the relation of business data.

FIGS. ~~19A, 19B, 20A, 20B, 21A and 21B~~19 to 21 show examples of creation processing of business data (slip).

FIGS. 22 to 27 are explanatory diagrams of the flow of event collection from a plurality of business systems.

FIGS. 28 and 29 show exemplary retrieval condition input screens of business data.

FIG. 30 shows an exemplary display of retrieval result.

~~FIGS. 31A, 31B, and 31C show~~ FIG. 31 shows exemplary operation and display in the tracking process of a business process.

~~FIGS. 32A, 32B, and 32C show~~ FIG. 32 shows exemplary operation and display in the back tracking process of a business process.

FIG. 33 shows an exemplary tracking result screen of a business process.

FIG. 34 is a chart showing the display processing flow of Event Explorer.

FIG. 35 is a chart showing the tracking display processing flow of a business process.

FIG. 36 shows an exemplary alert display screen.

FIG. 37 is a diagram showing the outline of a conventional common workflow system.

FIG. 38 shows an example of a conventional common workflow system.

Please REPLACE paragraph [0078] as follows:

[0078] ~~FIGS. 19A and 19B show~~ FIG. 19 shows an exemplary generation processing of business data (slip) in the case that there is no data in the event management DB 14 in the beginning. Supposing the event data A and event data B is queued in the event queue 12 when there is no data in the event management DB14 as shown in PART AFIG. 19A, the event relation unit 13 generates an order intake slip as shown in PART BFIG. 19B on the basis of the event data A and event data B.

Please REPLACE paragraph [0080] as follows:

[0080] ~~FIGS. 20A and 20B show~~ FIG. 20 shows an exemplary generation processing of business data (slip) in the case that the order intake slip shown in FIG. 20APART A has been already generated in the event management DB 14. Supposing the event data C and event data D is queued in the event queue 12 when the order intake slip shown in FIG. 20APART A has been already generated in the event management DB 14, the event relation unit 13 generates an order intake slip as shown in FIG. 20BPART B on the basis of the event data C and event data D.

Please REPLACE paragraph [0081] as follows:

[0081] That is, the event relation unit 13 adds "event name: inventory inquiry", "start time: 13:00 on August 27, 2003", and "finish time: 14:00 on August 27, 2003" in the order intake slip shown in ~~FIG. 20A~~PART A as an event, so that a new order intake slip shown in ~~FIG. 20B~~PART B is generated.

Please REPLACE paragraph [0082] as follows:

[0082] ~~FIGS. 21A and 21B show~~FIG. 21 shows exemplary generation processing of business data (slip) in the case that the order intake slip shown in ~~FIG. 21A~~PART A has been already generated in the event management DB 14. Supposing the event data E and event data F is queued in the event queue 12 when the order intake slip shown in ~~FIG. 21A~~PART A has been already generated in the event management DB 14, the event relation unit 13 generates an order intake slip and a delivery slip as shown in ~~FIG. 21B~~PART B on the basis of the event data E and event data F.

Please REPLACE paragraph [0095] as follows:

[0095] ~~FIGS. 31A, 31B and 31C show~~FIG. 31 shows exemplary operation and display in the tracking process of a business process. Here, it is shown that an example of the case that a business process selected on the retrieval condition input screen is a "product process". As a result of retrieving the event management DB 14, for example, as shown in ~~FIG. 31A~~PART A, "order intake: o001" which is a primary data item of an order intake slip is displayed on a display area of Event Explorer of the user terminal 6, and a product process is displayed in its side. "+ order intake: o001" displayed on the region of this Event Explorer shows that a node "order intake: o001" is closed, i.e., a primary data item of the order intake slip is not selected.

Please REPLACE paragraph [0096] as follows:

[0096] Next, "order intake: o001" is selected by using the displayed Event Explorer. Since the primary data item of the order intake slip is selected, as shown in ~~FIG. 31B~~PART B, due to this selection, the node "order intake: o001" is opened, "- Order intake: o001" is displayed, and relative data "+ delivery: d001" to the delivery slip which is relative business data is displayed. Since "order intake: o001" is selected, an event of "order entry" and an event of

"inventory inquiry", which are relative to the order intake slip, are retrieved. As a result of this, in the product process displayed beside Event Explorer, for example, as shown by double-hatching, the activities relative to both events are changed for color and displayed. Without changing the color, properties such as thickness of characters and lines of the activities may be changed to display them. This can be easily achieved by generating data, which is used for illustration of a flow, beforehand by SVG (scalable vector graphic) and changing properties such as color and thickness of characters and lines of objects in SVG.

Please REPLACE paragraph [0097] as follows:

[0097] Next, when "+ delivery: d001" shown in ~~FIG. 31B~~PART B is selected, a node "delivery: d001" is opened as shown in an area of Event Explorer in ~~FIG. 31C~~PART C, and then "- delivery: d001" is displayed instead. Then, the event of "shipment" relative to "delivery: d001" selected is retrieved, and as shown by double hatching, the activities relative to the event of "shipment" are changed for color and displayed in a product process.

Please REPLACE paragraph [0098] as follows

[0098] FIG. 32 shows exemplary operation and display in a back tracking process of a business process. As a result of retrieving event management DB 14, for example, it is assumed that, as shown in ~~FIG. 32A~~PART A, "delivery: d001" which is a primary data item of a delivery slip is displayed on a display area of Event Explorer of the user terminal 6, and a product process is displayed in its side. Then, "delivery: d001" is selected on this screen of Event Explorer. Due to this selection, since the primary data item of the delivery slip is selected, as shown in ~~FIG. 32B~~PART B, a node "delivery: d001" is opened, "- delivery: d001" is displayed, and then data "+ order intake: o001" relative to the order intake slip which is relative to business data is displayed. Since "delivery: d001" is selected, the event of "shipment" relative to the delivery slip is retrieved, and the activities relative to the event of "shipment" are changed for color and displayed as shown by double hatching, for example, in a product process shown in ~~FIG. 32B~~PART B.

Please REPLACE paragraph [0099] as follows

[0099] Next, when "+ order intake: o001" shown in ~~FIG. 32B~~PART B is selected, a node "order intake: o001" is opened as shown in an area of Event Explorer in ~~FIG. 32C~~PART C, and then "- order intake: o001" is displayed instead. Then, the event of "order entry" and the event of "inventory inquiry" which are relative to "order intake: o001" selected are retrieved, and the activities relative to these events are changed for color and displayed, for example, as shown by double hatching in a product process shown in ~~FIG. 32C~~PART C. Thus, the back tracking of going back events by turns is also possible.

Please REPLACE paragraph [0102] as follows:

[0102] FIG. 34 is a chart showing the display processing flow of Event Explorer. First, it is determined whether an unprocessed retrieval result exists (step S31). When the unprocessed retrieval result exists, retrieval result data is acquired (or collected) on the basis of the retrieval conditions inputted from the user terminal 6 (step S32). For example, in Event Explorer displayed on ~~FIG. 31A~~in PART A of FIG. 31, "order intake: o001" is acquired as retrieval result data.

Please REPLACE paragraph [0103] as follows:

[0103] Next, it is determined whether the acquired retrieval result data is selected (step S33). When the retrieval result data is not selected, a close node is rendered (step S34), and then the process returns to step S31. For example, rendering is performed as shown in "+ order intake: o001" shown in PART A of FIG. 31~~FIG. 31A~~-mentioned above.

Please REPLACE paragraph [0104] as follows:

[0104] When the retrieval data is selected, an open node is rendered (step S35). For example, rendering is performed as "- order intake: o001" shown in PART B of FIG. 31~~FIG. 31B~~. Next, it is determined whether relative data exists (step S36), and when relative data does not exist, the process returns to step S31. When the relative data exists, the relative data is acquired (step S37). Next, it is determined whether relative data is selected (step S 38). When the relative data is not selected, a close node is rendered (step S39), and then, the process

returns to step S36. For example, in PART B of FIG. 31~~FIG. 31B~~, "delivery: d001" acquired as the relative data of "order intake: o001" selected is rendered like "+ delivery: d001."

Please REPLACE paragraph [0105] as follows:

[0105] When the retrieval data is selected, an open node is rendered (step S40). For example, rendering is performed as "- delivery: d001" shown in PART C of FIG. 31~~FIG. 31C~~. When no unprocessed retrieval result is left, an edited view (the whole screen) is outputted (step S41), and then the processing is ended.